

What is claimed is:

1. A disk reading device, comprising:

a lower cover having a wall with an elongated opening provided in the wall;
an upper cover that is connected for pivoting movement with respect to the
5 lower cover;

a disk receiving space between the lower and upper covers, and being
accessible via the elongated opening in a suction mode and by opening the upper
cover with respect to the lower cover in a cover-lifting mode;

means for drawing a disk via the elongated opening into the disk receiving
10 space;

means coupled to the upper and lower covers for opening the upper cover
with respect to the lower cover; and

means for switching operation of the disk reading device from the suction
mode to the cover-lifting mode.

2. The device of claim 1, wherein the switching means includes means for
locking the upper cover to the lower cover while a disk is being loaded via the
elongated opening in the suction mode.

3. The device of claim 2, wherein the opening means includes a button,
and wherein the locking means includes a connecting rod that is coupled to the
button and which is removably coupled to the upper cover, and a bolt locker that is
positioned to block movement of the connecting rod and the button.

4. The device of claim 1, wherein the switching means includes a first
switch for actuating the suction mode, a second switch for actuating the cover-lifting
mode, and a slide button that slidably contacts either the first switch or the second
switch.

5. The device of claim 4, wherein the drawing means includes a roller, a
gear unit operatively coupled to the roller, and a control rack that is operatively
coupled to the gear unit, with the control rack coupled for simultaneous movement
with the slide button.

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6. The device of claim 1, further including means for clamping a disk, with the clamping means operatively coupled to the drawing means.

7. A disk reading device, comprising:

5 a lower cover having a wall with an elongated opening provided in the wall;
an upper cover that is connected for pivoting movement with respect to the lower cover;

10 a disk receiving space between the lower and upper covers, and being accessible via the elongated opening and by opening the upper cover with respect to the lower cover;

means for drawing a disk via the elongated opening into the disk receiving space; and

means coupled to the upper and lower covers for opening the upper cover with respect to the lower cover.

15 8. A method of loading a plurality of disks at separate times into a disk receiving space in a disk reading device, comprising:

20 providing a disk reading device having a lower cover having a wall with an elongated opening provided in the wall, and an upper cover that is connected for pivoting movement with respect to the lower cover;

inserting a disk into the disk reading device via the elongated opening;
removing the disk from the disk reading device via the elongated opening;
opening the upper cover with respect to the lower cover;
manually placing a disk inside the disk reading device; and
25 closing the upper cover.

9. The method of claim 8, further including:

after removing the disk from the disk reading device via the elongated opening, actuating a switch to change the operation mode of the disk reading device.

30 10. The method of claim 8, further including:

prior to inserting a disk into the disk reading device via the elongated opening, locking the upper cover so that it cannot be opened with respect to the lower cover.

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11. The method of claim 10, further including:

after removing the disk from the disk reading device via the elongated opening, actuating a switch to unlock the upper cover so that it can be opened with respect to the lower cover.

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12. The method of claim 8, further including:

opening the upper cover with respect to the lower cover;

manually removing the disk inside the disk reading device;

locking the upper cover so that it cannot be opened with respect to the lower

10 cover; and

inserting a disk into the disk reading device via the elongated opening.

13. A disk reading device, comprising:

a lower cover having a wall with an elongated opening provided in the wall;

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an upper cover that is connected for pivoting movement with respect to the lower cover;

a disk receiving space between the lower and upper covers, and being accessible via the elongated opening and by opening the upper cover with respect to the lower cover;

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a roller positioned between the upper cover and lower cover, and adjacent the elongated opening;

a rod retained inside the lower housing and removably engaging a portion of the upper cover;

25 a button operatively coupled to the rod in a manner such that the rod disengages the upper cover when the button pushes the rod;

a locker coupled to the rod and the button for preventing the button from pushing the rod; and

a switch that is operatively coupled to the locker for unlocking the locker so that the button can push the rod.

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14. The device of claim 13, further including:

a motor and gear unit that is coupled to the roller for rotating the roller; and

a control rack that is operationally coupled to the roller, the motor and gear unit, and the switch for moving the roller away from the elongated opening.

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